

Title (en)  
RUBBER COMPOSITION PRODUCTION METHOD AND TIRE

Title (de)  
KAUTSCHUKZUSAMMENSETZUNGHERSTELLUNGSVERFAHREN UND REIFEN

Title (fr)  
PROCÉDÉ DE FABRICATION DE COMPOSITION DE CAOUTCHOUC, ET PNEUMATIQUE

Publication  
**EP 3372629 A4 20181205 (EN)**

Application  
**EP 16861785 A 20161102**

Priority

- JP 2015217925 A 20151105
- JP 2016004804 W 20161102

Abstract (en)  
[origin: EP3372629A1] Provided are a method for producing a rubber composition capable of achieving low loss property and wet gripping performance, and a tire with loss property and wet gripping performance. The method comprises kneading of a rubber composition, wherein: the rubber composition comprises: a rubber component (A) containing 20 mass% or more of a specific modified SBR; 20 to 120 parts of a filler (C) containing silica per 100 parts of the rubber component; a compound (D); a silane coupling agent (E); and a vulcanizing agent (F), and the kneading comprises: first kneading to knead (A), (C), a part or all of (D), and 2 parts or more of (E) per 100 parts of (A); and second kneading to, after the first kneading, knead a kneaded product prepared in the first kneading and (F). The tire uses a rubber composition obtained with the method for a tread rubber.

IPC 8 full level  
**C08J 3/20** (2006.01); **B60C 1/00** (2006.01); **C08C 19/22** (2006.01); **C08C 19/25** (2006.01); **C08C 19/44** (2006.01); **C08K 3/06** (2006.01); **C08K 3/36** (2006.01); **C08K 5/31** (2006.01); **C08K 5/405** (2006.01); **C08K 5/44** (2006.01); **C08K 5/47** (2006.01); **C08K 5/54** (2006.01); **C08L 9/06** (2006.01); **C08L 15/00** (2006.01); **C08L 101/00** (2006.01)

CPC (source: EP US)  
**B60C 1/00** (2013.01 - EP US); **B60C 1/0016** (2013.01 - EP US); **C08C 19/22** (2013.01 - EP US); **C08C 19/25** (2013.01 - EP US); **C08C 19/44** (2013.01 - EP US); **C08F 236/10** (2013.01 - EP US); **C08J 3/20** (2013.01 - EP US); **C08K 3/011** (2017.12 - US); **C08K 3/013** (2017.12 - US); **C08K 3/06** (2013.01 - EP US); **C08K 3/36** (2013.01 - EP US); **C08K 5/31** (2013.01 - EP US); **C08K 5/405** (2013.01 - EP US); **C08K 5/44** (2013.01 - EP US); **C08K 5/47** (2013.01 - EP US); **C08K 5/54** (2013.01 - EP US); **C08K 5/548** (2013.01 - US); **C08L 7/00** (2013.01 - EP US); **C08L 9/06** (2013.01 - US); **C08L 15/00** (2013.01 - EP US); **C08L 101/00** (2013.01 - EP US); **C08J 2309/06** (2013.01 - US)

Citation (search report)

- [E] EP 3269759 A1 20180117 - BRIDGESTONE CORP [JP]
- [XY] EP 2868696 A1 20150506 - BRIDGESTONE CORP [JP]
- [Y] US 2011144236 A1 20110616 - MIHARA SATOSHI [JP]
- [Y] DE 112013003160 T5 20150312 - SUMITOMO RUBBER IND [JP]
- See references of WO 2017077713A1

Cited by  
EP3517568A4; EP3950814A1; WO2020214178A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3372629 A1 20180912**; **EP 3372629 A4 20181205**; CN 108350184 A 20180731; JP 6802179 B2 20201216; JP WO2017077713 A1 20180823; US 2018304685 A1 20181025; WO 2017077713 A1 20170511

DOCDB simple family (application)  
**EP 16861785 A 20161102**; CN 201680064669 A 20161102; JP 2016004804 W 20161102; JP 2017548643 A 20161102; US 201615770867 A 20161102